

## ABSTRACT OF THE DISCLOSURE

Methods, systems, and articles of manufacture consistent with the present invention replace data transmission request expressions (such as URLs). A data transmission request expression of a first type is received from a recipient. The data transmission request expression corresponds to data identified by a data transmission request expression of a second type to be transmitted to the recipient. The data transmission request expression of the first type is replaced with a replacement data transmission request expression of the second type. The data is retrieved using the replacement data transmission request expression. The data is then sent to the recipient.

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